

Started in Sept. 2012, spin-out from Columbia University
Based in DUMBO, Brooklyn



Vincent Lee, Ph.D.
Founder and CEO



Brian Tull, Ph.D.
VP Research and
Development



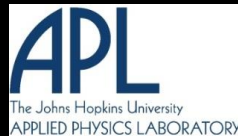
Ioannis (John)
Kymissis, Ph.D.

Founder and Advisor



Conor Madigan, Ph.D.

Business Advisor
CEO, Kateeva



Moshe Eizenberg, Ph.D.

Technical Advisor
Professor, Technion



High caliber team with diverse expertise and experience.

Biographical Sketch: Vincent W. Lee

Professional Preparation

B.S.	Electrical and Computer Engineering	Rutgers University New Brunswick, NJ	2007
M.S.	Electrical Engineering	Columbia University New York, NY	2008
Ph.D.	Electrical Engineering	Columbia University New York, NY	2012

Appointments

President and CEO	Lumiode, Inc. Brooklyn, NY	2012-Present
Research Assistant	Columbia University New York, NY	2007-2012
Research and Development Intern	GLOBALFOUNDRIES Yorktown Heights, NY	2011
Senior Fellow	Columbia University Technology Ventures New York, NY	2009-2011
Research Assistant	Rutgers University Piscataway, NJ	2005-2007

Related Publications

“A Directly-Addressed Monolithic LED Array as a Projection Source” V. Lee and I. Kymissis. *Journal of the Society for Information Display*, 18:10, pp 208-212 (2010)

Other publications

“Laboratory pentacene and parylene evaporation systems for fabricating organic thin film semiconductor devices” Z. Jia, V. Lee, Y. Hsu, I. Kymissis. *Journal of Vacuum Science and Technology B*, 29:2, pp 022401 (2011)

“In situ Study of Pentacene Interaction with Archetypal Hybrid Contacts: Fluorinated vs Alkane Thiols on Gold” Z. Jia, V. Lee, L. Floreano, A. Verdini, A. Cossaro, A. Morgante, I. Kymissis. *Physical Review B*, 82, 125457 (2010)

“Frequency Dependence Charge Pumping, How Deep Does it Probe” Y. Wang, V. Lee, K.P. Cheung. *IEEE International Electron Devices Meeting* (2006)

Synergistic activities

Vincent is involved in the Startup Leadership Program as a 2013 fellow. The Startup Leadership Program is a selective 6-month workshop for first-time and future startup CEOs.

Vincent was part of the Columbia University Technology Ventures office as a Senior Fellow. The fellows program gives graduate students the ability to participate in the technology transfer process through writing invention assessments and preparing marketing materials. As senior fellow, Vincent was responsible for controlling the workflow between the technology ventures office and the fellows program. Further, he was responsible for the recruiting, interviewing, hiring, and training of new fellows.

Vincent was also involved in many teaching activities including serving as teaching assistant for undergraduate level and graduate level solid state devices courses. In addition, he is involved in the Columbia Science Honors Program, lecturing on topics such as Semiconductors, Nanofabrication, and Photovoltaics to classes of talented high school students.

Collaborators and other affiliations

Collaborators and co-editors

Vincent Lee has collaborations with James Im, and Alex Limanov at Columbia. At IBM, he worked with Chung Lam, Robert Laibowitz, and Asit Roy.

Graduate Advisor

Ioannis Kymissis Columbia University

Biographical Sketch: Brian Tull

Professional Preparation

B.S.	Materials Science and Engineering	University of Pennsylvania Philadelphia, PA	1998
M.S.	Metallurgy and Materials Engineering	University of Connecticut Storrs, CT	2001
Ph.D.	Applied Physics/Material Science	Harvard University Cambridge, MA	2007

Appointments

VP Research & Development	Lumiode, Inc. New York, NY	2012-Present
Postdoctoral Research Scientist	Columbia University New York, NY	2010-2012
Materials Engineer	Hamilton Sundstrand Windsor Locks, CT	2008-2010
Materials Engineer	Johns Hopkins Applied Physics Laboratory Laurel, MD	2007-2008
Research Assistant	Harvard University Cambridge, MA	2001-2007
Materials Engineer	Hamilton Sundstrand Windsor Locks, CT	1998-2001

Related Publications

B. R. Tull, M. T. Winkler, E. Mazur, “The role of diffusion in broadband infrared absorption in chalcogen-doped silicon,” *Applied Physics A-Mat. Sci. and Processing.* vol. 96, pp. 327-334, 2009.

M. A. Sheehy, B. R. Tull, C. M. Friend, and E. Mazur, “Chalcogen doping of silicon via femtosecond laser irradiation,” *Materials Science and Engineering B-Solid State Materials for Advanced Technology*, vol. 137, pp. 289-294, 2006.

B. R. Tull, J. E. Carey, E. Mazur, J. McDonald, and S. M. Yalisove, “Surface morphologies of silicon surfaces after femtosecond laser irradiation,” *Materials Research Society Bulletin*, vol. 31, pp. 626-633, 2006.

Other publications

S. Yang, B. R. Tull, N. K. Pervez, L. Huang, E. S. Leland, D. Steingart, S. O'Brien, I. Kymissis, “Asymmetrical leakage in (Ba, Sr)TiO₃ Nano Particle/parylene-C Composite Capacitors”, submitted to *Journal of Polymer Science*, 2012.

B. R. Tull, J. E. Carey, M. A. Sheehy, C. Friend, and E. Mazur, “Formation of silicon nanoparticles and web-like aggregates by femtosecond laser ablation in a background gas,” *Applied Physics A-Materials Science and Processing*, vol. 83, no. 3, pp. 341-346, 2006.

Collaborators and other affiliations

Graduate Advisor

Eric Mazur Harvard University